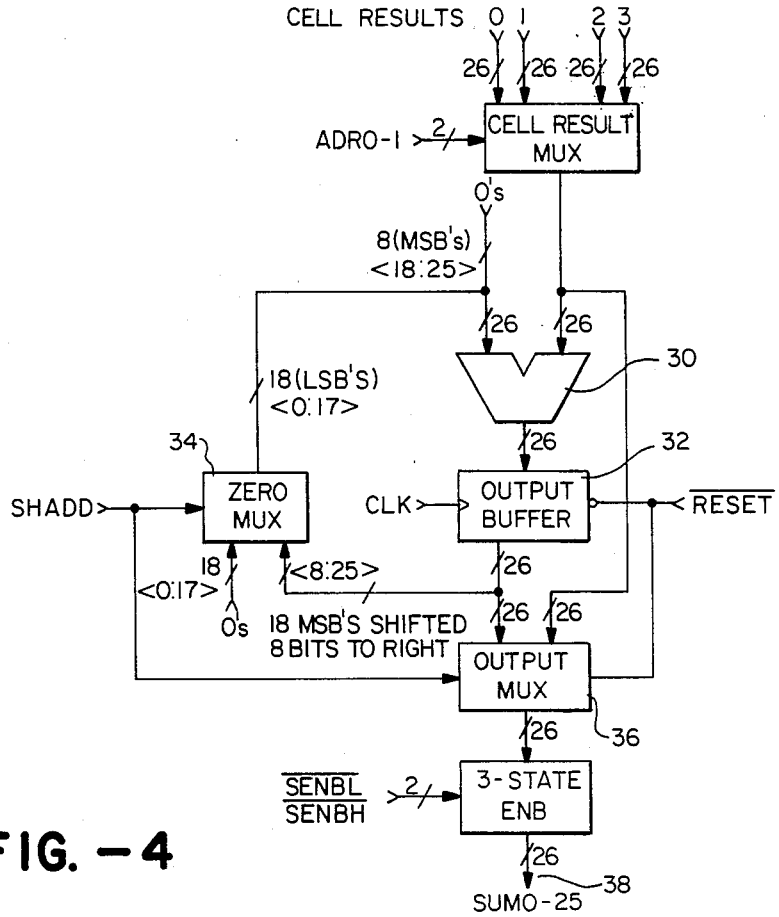
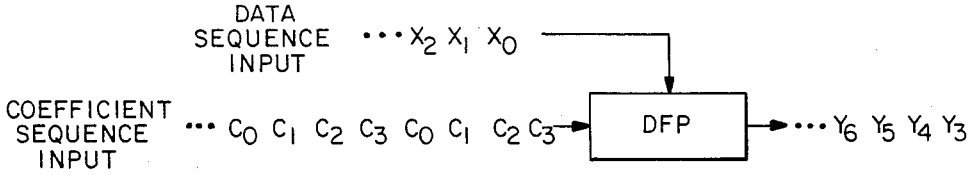


FIG. —4



CLK	CELL 0	CELL 1	CELL 2	CELL 3	SUM/CLR
0	$C_3 \cdot X_0$	0	0	0	—
1	$+C_2 \cdot X_1$	$C_3 \cdot X_1$	0	0	—
2	$+C_1 \cdot X_2$	$+C_2 \cdot X_2$	$C_3 \cdot X_2$	0	—
3	$+C_0 \cdot X_3$	$+C_1 \cdot X_3$	$+C_2 \cdot X_3$	$C_3 \cdot X_3$	CELL 0 (Y3)
4	$C_3 \cdot X_4$	$+C_0 \cdot X_4$	$+C_1 \cdot X_4$	$+C_2 \cdot X_4$	CELL 1 (Y4)
5	$+C_2 \cdot X_5$	$C_3 \cdot X_5$	$+C_0 \cdot X_5$	$+C_1 \cdot X_5$	CELL 2 (Y5)
6	$+C_1 \cdot X_6$	$+C_2 \cdot X_6$	$C_3 \cdot X_6$	$+C_0 \cdot X_6$	CELL 3 (Y6)
7	$+C_0 \cdot X_7$	$+C_1 \cdot X_7$	$+C_2 \cdot X_7$	$C_3 \cdot X_7$	CELL 0 (Y7)

FIG. —5